

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/208,629BDATE: 06/23/2001
TIME: 02:15:00

INPUT SET: S36563.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

1
2
3 (1) General Information
4
5 (i) APPLICANT: Coughlin, Shaun
6 Ishihari, Hiroaki
7 Connolly, Andrew
8
9 (ii) TITLE OF THE INVENTION: Protease Activated Receptor
10 3 and Uses Thereof
11
12 (iii) NUMBER OF SEQUENCES: 28
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: MORRISON & FOERSTER
16 (B) STREET: 755 Page Mill Road
17 (C) CITY: Palo Alto
18 (D) STATE: CA
19 (E) COUNTRY: USA
20 (F) ZIP: 94304-1018
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Diskette
24 (B) COMPUTER: IBM Compatible
25 (C) OPERATING SYSTEM: DOS
26 (D) SOFTWARE: FastSEQ for Windows Version 2.0
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 09/208,629
30 (B) FILING DATE: 08-DEC-1998
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 08/742,440
35 (B) FILING DATE: 30-OCT-1996
36
37
38 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: Catherine M. Polizzi
40 (B) REGISTRATION NUMBER: 40,130
41 (C) REFERENCE/DOCKET NUMBER: 220002060310
42
43
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: (650) 813-5600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/208,629B

 DATE: 06/23/2001
 TIME: 02:15:01

INPUT SET: S36563.raw

46 (B) TELEFAX: (650) 494-0792
 47 (C) TELEX:
 48
 49

ERRORED SEQUENCES FOLLOW:

123 (2) INFORMATION FOR SEQ ID NO:3:
 124
 125 (i) SEQUENCE CHARACTERISTICS:
 --> 126 (A) LENGTH: 407 amino acids 4 shown
 127 (B) TYPE: amino acid
 128 (C) STRANDEDNESS: single
 129 (D) TOPOLOGY: linear
 130
 131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
 132
 133 Thr Leu Tyr Thr
 134

201 (2) INFORMATION FOR SEQ ID NO:6:
 202
 203 (i) SEQUENCE CHARACTERISTICS:
 --> 204 (A) LENGTH: 408 amino acids 8 shown
 205 (B) TYPE: amino acid
 206 (C) STRANDEDNESS: single
 207 (D) TOPOLOGY: linear
 208
 209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
 210
 211 Cys Ser Met Ile Leu Gln Ile Ser
 212 1 5 ← number the amino acids under every 5

595 (2) INFORMATION FOR SEQ ID NO:24: amino acids
 596
 597 (i) SEQUENCE CHARACTERISTICS:
 598 (A) LENGTH: 380 amino acids
 599 (B) TYPE: amino acid
 600 (C) STRANDEDNESS: single
 601 (D) TOPOLOGY: linear
 602 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24: ← add mandatory heading
 --> 603 Gln His Pro Val Ala Gly Ser Gln Asp Ile Lys Met Lys Ile Leu Ile
 --> 604 1 5 10 15
 --> 605 Leu Val Ala Ala Gly Leu Leu Phe Leu Pro Val Thr Val Cys Gln Ser
 --> 606 20 25 30
 --> 607 Gly Ile Asn Val Ser Asp Asn Ser Ala Lys Pro Thr Leu Thr Ile Lys
 --> 608 35 40 45
 --> 609 Ser Phe Asn Gly Gly Pro Gln Asn Thr Phe Glu Glu Phe Pro Leu Ser
 --> 610 50 55 60
 --> 611 Asp Ile Glu Gly Trp Thr Gly Ala Thr Thr Thr Ile Lys Ala Glu Cys

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--> 612 65 70 75 80
--> 613 Pro Glu Asp Ser Ile Ser Thr Leu His Val Asn Asn Ala Thr Ile Gly
--> 614 85 90 95
--> 615 Tyr Leu Arg Ser Ser Leu Ser Thr Gln Val Ile Pro Ala Ile Tyr Ile
--> 616 100 105 110
--> 617 Leu Leu Phe Val Val Gly Val Pro Ser Asn Ile Val Thr Leu Trp Lys
--> 618 115 120 125
--> 619 Leu Ser Leu Arg Thr Lys Ser Ile Ser Leu Val Ile Phe His Thr Asn
--> 620 130 135 140
--> 621 Leu Ala Ile Ala Asp Leu Leu Phe Cys Val Thr Leu Pro Phe Lys Ile
--> 622 145 150 155 160
--> 623 Ala Tyr His Leu Asn Gly Asn Asn Trp Val Phe Gly Glu Val Met Cys
--> 624 165 170 175
--> 625 Arg Ile Thr Thr Val Val Phe Tyr Gly Asn Met Tyr Cys Ala Ile Leu
--> 626 180 185 190
--> 627 Ile Leu Thr Cys Met Gly Ile Asn Arg Tyr Leu Ala Thr Ala His Pro
--> 628 195 200 205
--> 629 Phe Thr Tyr Gln Lys Leu Pro Lys Arg Ser Phe Ser Leu Leu Met Cys
--> 630 210 215 220
--> 631 Gly Ile Val Trp Val Met Val Phe Leu Tyr Met Leu Pro Phe Val Ile
--> 632 225 230 235 240
--> 633 Leu Lys Gln Glu Tyr His Leu Val His Ser Glu Ile Thr Thr Cys His
--> 634 245 250 255
--> 635 Asp Val Val Asp Ala Cys Glu Ser Pro Ser Ser Phe Arg Phe Tyr Tyr
--> 636 260 265 270
--> 637 Phe Val Ser Leu Ala Phe Phe Gly Phe Leu Ile Pro Phe Val Ile Ile
--> 638 275 280 285
--> 639 Ile Phe Cys Tyr Thr Thr Leu Ile His Lys Leu Lys Ser Lys Asp Arg
--> 640 290 295 300
--> 641 Ile Trp Leu Gly Tyr Ile Lys Ala Val Leu Leu Ile Leu Val Ile Phe
--> 642 305 310 315 320
--> 643 Thr Ile Cys Phe Ala Pro Thr Asn Ile Ile Leu Val Ile His His Ala
--> 644 325 330 335
--> 645 Asn Tyr Tyr Tyr His Asn Thr Asp Ser Leu Tyr Phe Met Tyr Leu Ile
--> 646 340 345 350
--> 647 Ala Leu Cys Leu Gly Ser Leu Asn Ser Cys Leu Asp Pro Phe Leu Tyr
--> 648 355 360 365
--> 649 Phe Val Met Ser Lys Val Val Asp Gln Leu Asn Pro
--> 650 370 375 380
--> 651

```

OK

These
are in
bold
print
due to
error
on
previous
page

652 (2) INFORMATION FOR SEQ ID NO:25:

653

654 (i) SEQUENCE CHARACTERISTICS:

655 (A) LENGTH: 7 amino acids

656 (B) TYPE: amino acid

657 (C) STRANDEDNESS: single

658 (D) TOPOLOGY: linear

659

660 Ser Ala Met Ala Arg Pro Leu

--> 661 1 5

662

← insert heading

663

(2) INFORMATION FOR SEQ ID NO:26:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/208,629BDATE: 06/23/2001
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664
665 (i) SEQUENCE CHARACTERISTICS:
666 (A) LENGTH: 13 amino acids
667 (B) TYPE: amino acid
668 (C) STRANDEDNESS: single
669 (D) TOPOLOGY: linear
670

insert leading

--> 671 Arg Pro Arg Arg Asp Ile Trp Glu Asp Ile His Ala Trp
672 1 5 10
673

674 (2) INFORMATION FOR SEQ ID NO:27:
675

676 (i) SEQUENCE CHARACTERISTICS:
677 (A) LENGTH: 393 amino acids
678 (B) TYPE: amino acid
679 (C) STRANDEDNESS: single
680 (D) TOPOLOGY: linear
681

insert leading

--> 682 Cys Ser Met Ile Leu Gln Ile Ser Xaa Arg Leu Arg Asp Gly Thr Gln
683 1 5 10 15
--> 684 Val Ile Lys Met Lys Ala Leu Ile Phe Ala Ala Gly Leu Leu
685 20 25 30
--> 686 Leu Leu Pro Thr Phe Cys Gln Ser Gly Met Glu Asn Asp Thr Asn Asn
687 35 40 45
--> 688 Leu Ala Lys Pro Thr Leu Pro Ile Lys Thr Phe Arg Gly Ala Pro Pro
689 50 55 60
--> 690 Asn Ser Phe Glu Glu Phe Pro Phe Ser Ala Leu Glu Gly Trp Thr Gly
691 65 70 75 80
--> 692 Ala Thr Ile Thr Val Lys Ile Lys Cys Pro Glu Glu Ser Ala Ser His
693 85 90 95
--> 694 Leu His Val Lys Asn Ala Thr Met Gly Tyr Leu Thr Ser Ser Leu Ser
695 100 105 110
--> 696 Thr Lys Leu Ile Pro Ala Ile Tyr Leu Leu Val Phe Val Val Gly Val
697 115 120 125
--> 698 Pro Ala Asn Ala Val Thr Leu Trp Met Leu Phe Phe Arg Thr Arg Ser
699 130 135 140
--> 700 Ile Cys Thr Thr Val Phe Tyr Thr Asn Leu Ala Ile Ala Asp Phe Leu
701 145 150 155 160
--> 702 Phe Cys Val Thr Leu Pro Phe Lys Ile Ala Tyr His Leu Asn Gly Asn
703 165 170 175
--> 704 Asn Trp Val Phe Gly Glu Val Leu Cys Arg Ala Thr Thr Val Ile Phe
705 180 185 190
--> 706 Tyr Gly Asn Met Tyr Cys Ser Ile Leu Leu Leu Ala Cys Ile Ser Ile
707 195 200 205
--> 708 Asn Arg Tyr Leu Ala Ile Val His Pro Phe Thr Tyr Arg Gly Leu Pro
709 210 215 220
--> 710 Lys His Thr Tyr Ala Leu Val Thr Cys Gly Leu Val Trp Ala Thr Val
711 225 230 235 240
--> 712 Phe Leu Tyr Met Leu Pro Phe Phe Ile Leu Lys Gln Glu Tyr Tyr Leu
713 245 250 255
--> 714 Val Gln Pro Asp Ile Thr Thr Cys His Asp Val His Asn Thr Cys Glu
715 260 265 270

O/C

RAW SEQUENCE LISTING PATENT APPLICATION US/09/208,629B

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--> 716 Ser Ser Ser Pro Phe Gln Leu Tyr Tyr Phe Ile Ser Leu Ala Phe Phe
--> 717          275          280          285
--> 718 Gly Phe Leu Ile Pro Phe Val Leu Ile Ile Tyr Cys Tyr Ala Ala Ile
--> 719          290          295          300
--> 720 Ile Arg Thr Leu Asn Ala Tyr Asp His Arg Trp Leu Trp Tyr Val Lys
--> 721          305          310          315          320
--> 722 Ala Ser Leu Leu Ile Leu Val Ile Phe Thr Ile Cys Phe Ala Pro Ser
--> 723          325          330          335
--> 724 Asn Ile Ile Leu Ile Ile His His Ala Asn Tyr Tyr Tyr Asn Asn Thr
--> 725          340          345          350
--> 726 Asp Gly Leu Tyr Phe Ile Tyr Leu Ile Ala Leu Cys Leu Gly Ser Leu
--> 727          355          360          365
--> 728 Asn Ser Cys Leu Asp Pro Phe Leu Tyr Phe Leu Met Ser Lys Thr Arg
--> 729          370          375          380
--> 730 Asn His Ser Thr Ala Tyr Leu Thr Lys
--> 731          385          390
--> 732

```

O/C

733 (2) INFORMATION FOR SEQ ID NO:28:

734

735 (i) SEQUENCE CHARACTERISTICS:

736 (A) LENGTH: 13 amino acids

737 (B) TYPE: amino acid

738 (C) STRANDEDNESS: single

739 (D) TOPOLOGY: linear

740

741 *insert heading* Asn Asp Leu Arg Glu Gln Gly Gln Pro Ser Gln Arg Thr

--> 742 1 5 10

743

744

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/09/208,629B

DATE: 06/23/2001
TIME: 02:15:02

INPUT SET: S36563.raw

Line	Error	Original Text
126	Entered (407) and Calc. Seq. Length (4) differ	(A) LENGTH: 407 amino acids
204	Entered (408) and Calc. Seq. Length (8) differ	(A) LENGTH: 408 amino acids
604	Response Exceeds Line Limitations	1 5 10 15
605	Response Exceeds Line Limitations	Leu Val Ala Ala Gly Leu Leu Phe Leu Pro Val Thr Val Cys
606	Response Exceeds Line Limitations	20 25 30
607	Response Exceeds Line Limitations	Gly Ile Asn Val Ser Asp Asn Ser Ala Lys Pro Thr Leu Thr I
608	Response Exceeds Line Limitations	35 40 45
609	Response Exceeds Line Limitations	Ser Phe Asn Gly Gly Pro Gln Asn Thr Phe Glu Glu Phe Pro
610	Response Exceeds Line Limitations	50 55 60
611	Response Exceeds Line Limitations	Asp Ile Glu Gly Trp Thr Gly Ala Thr Thr Thr Ile Lys Ala G
612	Response Exceeds Line Limitations	65 70 75
613	Response Exceeds Line Limitations	Pro Glu Asp Ser Ile Ser Thr Leu His Val Asn Asn Ala Thr I
614	Response Exceeds Line Limitations	85 90 95
615	Response Exceeds Line Limitations	Tyr Leu Arg Ser Ser Leu Ser Thr Gln Val Ile Pro Ala Ile Ty
616	Response Exceeds Line Limitations	100 105 110
617	Response Exceeds Line Limitations	Leu Leu Phe Val Val Gly Val Pro Ser Asn Ile Val Thr Leu T
618	Response Exceeds Line Limitations	115 120 125
619	Response Exceeds Line Limitations	Leu Ser Leu Arg Thr Lys Ser Ile Ser Leu Val Ile Phe His Th
620	Response Exceeds Line Limitations	130 135 140
621	Response Exceeds Line Limitations	Leu Ala Ile Ala Asp Leu Leu Phe Cys Val Thr Leu Pro Phe
622	Response Exceeds Line Limitations	145 150 155
623	Response Exceeds Line Limitations	Ala Tyr His Leu Asn Gly Asn Asn Trp Val Phe Gly Glu Va
624	Response Exceeds Line Limitations	165 170 175
625	Response Exceeds Line Limitations	Arg Ile Thr Thr Val Val Phe Tyr Gly Asn Met Tyr Cys Ala
626	Response Exceeds Line Limitations	180 185 190
627	Response Exceeds Line Limitations	Ile Leu Thr Cys Met Gly Ile Asn Arg Tyr Leu Ala Thr Ala
628	Response Exceeds Line Limitations	195 200 205
629	Response Exceeds Line Limitations	Phe Thr Tyr Gln Lys Leu Pro Lys Arg Ser Phe Ser Leu Leu
630	Response Exceeds Line Limitations	210 215 220
631	Response Exceeds Line Limitations	Gly Ile Val Trp Val Met Val Phe Leu Tyr Met Leu Pro Phe
632	Response Exceeds Line Limitations	225 230 235
633	Response Exceeds Line Limitations	Leu Lys Gln Glu Tyr His Leu Val His Ser Glu Ile Thr Thr C
634	Response Exceeds Line Limitations	245 250 255
635	Response Exceeds Line Limitations	Asp Val Val Asp Ala Cys Glu Ser Pro Ser Ser Phe Arg Phe
636	Response Exceeds Line Limitations	260 265 270
637	Response Exceeds Line Limitations	Phe Val Ser Leu Ala Phe Phe Gly Phe Leu Ile Pro Phe Val I
638	Response Exceeds Line Limitations	275 280 285
639	Response Exceeds Line Limitations	Ile Phe Cys Tyr Thr Thr Leu Ile His Lys Leu Lys Ser Lys A
640	Response Exceeds Line Limitations	290 295 300
641	Response Exceeds Line Limitations	Ile Trp Leu Gly Tyr Ile Lys Ala Val Leu Leu Ile Leu Val Ile
642	Response Exceeds Line Limitations	305 310 315
643	Response Exceeds Line Limitations	Thr Ile Cys Phe Ala Pro Thr Asn Ile Ile Leu Val Ile His His
644	Response Exceeds Line Limitations	325 330 335
645	Response Exceeds Line Limitations	Asn Tyr Tyr Tyr His Asn Thr Asp Ser Leu Tyr Phe Met Ty
646	Response Exceeds Line Limitations	340 345 350
647	Response Exceeds Line Limitations	Ala Leu Cys Leu Gly Ser Leu Asn Ser Cys Leu Asp Pro Phe
648	Response Exceeds Line Limitations	355 360 365
649	Response Exceeds Line Limitations	Phe Val Met Ser Lys Val Val Asp Gln Leu Asn Pro

SEQUENCE VERIFICATION REPORT

PATENT APPLICATION US/09/208,629B

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TIME: 02:15:03

INPUT SET: S36563.raw

Line	Error	Original Text
650	Response Exceeds Line Limitations	370 375 380
661	Response Exceeds Line Limitations	1 5
672	Response Exceeds Line Limitations	1 5 10
683	Response Exceeds Line Limitations	1 5 10 15
684	Response Exceeds Line Limitations	Val Ile Lys Met Lys Ala Leu Ile Phe Ala Ala Ala Gly Leu L
685	Response Exceeds Line Limitations	20 25 30
686	Response Exceeds Line Limitations	Leu Leu Pro Thr Phe Cys Gln Ser Gly Met Glu Asn Asp Th
687	Response Exceeds Line Limitations	35 40 45
688	Response Exceeds Line Limitations	Leu Ala Lys Pro Thr Leu Pro Ile Lys Thr Phe Arg Gly Ala
689	Response Exceeds Line Limitations	50 55 60
690	Response Exceeds Line Limitations	Asn Ser Phe Glu Glu Phe Pro Phe Ser Ala Leu Glu Gly Trp
691	Response Exceeds Line Limitations	65 70 75
692	Response Exceeds Line Limitations	Ala Thr Ile Thr Val Lys Ile Lys Cys Pro Glu Glu Ser Ala Se
693	Response Exceeds Line Limitations	85 90 95
694	Response Exceeds Line Limitations	Leu His Val Lys Asn Ala Thr Met Gly Tyr Leu Thr Ser Ser
695	Response Exceeds Line Limitations	100 105 110
696	Response Exceeds Line Limitations	Thr Lys Leu Ile Pro Ala Ile Tyr Leu Leu Val Phe Val Val G
697	Response Exceeds Line Limitations	115 120 125
698	Response Exceeds Line Limitations	Pro Ala Asn Ala Val Thr Leu Trp Met Leu Phe Phe Arg Th
699	Response Exceeds Line Limitations	130 135 140
700	Response Exceeds Line Limitations	Ile Cys Thr Thr Val Phe Tyr Thr Asn Leu Ala Ile Ala Asp P
701	Response Exceeds Line Limitations	145 150 155
702	Response Exceeds Line Limitations	Phe Cys Val Thr Leu Pro Phe Lys Ile Ala Tyr His Leu Asn
703	Response Exceeds Line Limitations	165 170 175
704	Response Exceeds Line Limitations	Asn Trp Val Phe Gly Glu Val Leu Cys Arg Ala Thr Thr Va
705	Response Exceeds Line Limitations	180 185 190
706	Response Exceeds Line Limitations	Tyr Gly Asn Met Tyr Cys Ser Ile Leu Leu Ala Cys Ile S
707	Response Exceeds Line Limitations	195 200 205
708	Response Exceeds Line Limitations	Asn Arg Tyr Leu Ala Ile Val His Pro Phe Thr Tyr Arg Gly
709	Response Exceeds Line Limitations	210 215 220
710	Response Exceeds Line Limitations	Lys His Thr Tyr Ala Leu Val Thr Cys Gly Leu Val Trp Ala
711	Response Exceeds Line Limitations	225 230 235
712	Response Exceeds Line Limitations	Phe Leu Tyr Met Leu Pro Phe Phe Ile Leu Lys Gln Glu Tyr
713	Response Exceeds Line Limitations	245 250 255
714	Response Exceeds Line Limitations	Val Gln Pro Asp Ile Thr Thr Cys His Asp Val His Asn Thr
715	Response Exceeds Line Limitations	260 265 270
716	Response Exceeds Line Limitations	Ser Ser Ser Pro Phe Gln Leu Tyr Tyr Phe Ile Ser Leu Ala P
717	Response Exceeds Line Limitations	275 280 285
718	Response Exceeds Line Limitations	Gly Phe Leu Ile Pro Phe Val Leu Ile Ile Tyr Cys Tyr Ala Al
719	Response Exceeds Line Limitations	290 295 300
720	Response Exceeds Line Limitations	Ile Arg Thr Leu Asn Ala Tyr Asp His Arg Trp Leu Trp Tyr
721	Response Exceeds Line Limitations	305 310 315
722	Response Exceeds Line Limitations	Ala Ser Leu Leu Ile Leu Val Ile Phe Thr Ile Cys Phe Ala Pr
723	Response Exceeds Line Limitations	325 330 335
724	Response Exceeds Line Limitations	Asn Ile Ile Leu Ile Ile His His Ala Asn Tyr Tyr Tyr Asn As
725	Response Exceeds Line Limitations	340 345 350
726	Response Exceeds Line Limitations	Asp Gly Leu Tyr Phe Ile Tyr Leu Ile Ala Leu Cys Leu Gly
727	Response Exceeds Line Limitations	355 360 365

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/208,629BDATE: 06/23/2001
TIME: 02:15:03*INPUT SET: S36563.raw*

Line	Error	Original Text
728	Response Exceeds Line Limitations	Asn Ser Cys Leu Asp Pro Phe Leu Tyr Phe Leu Met Ser Ly
729	Response Exceeds Line Limitations	370 375 380
730	Response Exceeds Line Limitations	Asn His Ser Thr Ala Tyr Leu Thr Lys
731	Response Exceeds Line Limitations	385 390
742	Response Exceeds Line Limitations	1 5 10